

ANNUAL REPORT  
TO THE  
RURAL DISTRICT COUNCIL  
OF  
GLANFORD BRIGG,  
FOR THE  
YEAR ENDING DECEMBER 31ST, 1903,  
BY  
GODFREY GOODMAN,  
MEDICAL OFFICER OF HEALTH.

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BRIGG :  
J. ASHTON & SONS, PRINTERS, CRESSEY YARD.



TO THE

CHAIRMAN AND MEMBERS

OF THE

RURAL DISTRICT COUNCIL

OF THE

GLANFORD BRIGG UNION.

JANUARY, 1904.

GENTLEMEN,

I beg to present my report for the year ending December 31st, 1903.

The number of births registered in the whole District during the year was 644. This is 38 below last year's total, and 30 below the average number for the District. Births

The birth-rate was 27·0 per 1,000. The average for the District being 28·1. This is a very low birth-rate for a Rural District. Birth-rate

The births were distributed as follows—

Brigg Sub-District....	....	100	....	86	....	186
Barton Sub-District	....	104	....	104	....	208
Winterton Sub-District	....	136	....	114	....	250
		<hr/>		<hr/>		<hr/>
		340		304		644

The number of male children born exceeded that of the female by 36. The excess of male births, as in the last year, occurred in the Brigg and Winterton Sub-Districts.



The birth-rate in the Sub-Districts was as follow—

Brigg Sub-District	....	....	....	24·1 per 1,000.
Barton Sub-District	....	....	....	24·2 „
Winterton Sub-District	....	....	....	33·1 „

The births in the Winterton Sub-District is well above the average.

In the following table will be found a classification of the births in the whole and each Sub-District, from 1895 to the end of the present year.

	BRIGG SUB-DISTRICT.			BARTON SUB-DISTRICT.			WINTERTON SUB-DISTRICT.			WHOLE DISTRICT.		
	M.	F.	Total.	M.	F.	Total.	M.	F.	Total.	M.	F.	Total.
1895	132	130	262	132	125	257	129	113	242	393	368	761
1896	111	104	215	122	127	249	100	123	223	333	354	687
1897	106	94	200	127	119	246	98	98	196	331	311	642
1898	120	103	223	118	104	222	144	118	262	382	325	707
1899	104	100	204	130	115	245	114	99	213	348	314	662
1900	99	72	191	113	100	213	113	100	213	325	292	617
1901	97	77	194	121	101	222	121	102	223	339	300	639
1902	136	103	239	100	116	216	126	91	217	372	310	682
1903	100	86	186	104	104	208	136	114	250	340	304	644
	—	—	—	—	—	—	—	—	—	—	—	—
1005	909	1914	1077	1011	2088	1081	958	2039	3163	2877	6040	

The number of deaths registered in the Whole District during the year was 303. Males 151, Females 146. This is 28 less than last year's total. Deaths

The death-rate was 12·7 per 1,000. With the exception of the year 1899, when the rate was 12·5 per 1,000, this is the lowest death-rate recorded for the whole district. Death-rate

The death-rates for the Sub-Divisions of the District are as follows:

Brigg Sub-District	....	11·4 per 1,000
Barton do.	....	13·9 do.
Winterton do.	....	12·8 do.

The Barton Sub-District in addition to a low birth-rate shows a high death-rate.

The following table contains a classification of the deaths in the whole and in each Sub-Division of the District from 1895 to the end of the present year.



	BRIGG			BARTON			WINTERTON			WHOLE		
	SUB-DISTRICT.			SUB-DISTRICT.			SUB-DISTRICT.			DISTRICT.		
	M.	F.	Total.	M.	F.	Total.	M.	F.	Total.	M.	F.	Total.
1895	60	57	117	55	61	116	62	55	117	177	173	350
1896	50	44	94	66	62	128	50	43	93	166	149	315
1897	50	48	98	69	56	125	50	60	110	169	164	333
1898	73	77	150	66	51	117	65	65	130	204	193	397
1899	46	45	91	67	49	116	42	50	92	155	144	299
1900	61	66	127	57	74	131	70	55	125	188	195	383
1901	41	55	96	57	54	111	49	51	100	147	160	307
1902	57	44	101	57	65	122	50	58	108	164	167	331
1903	45	43	88	60	59	119	52	44	96	157	146	303
	483	479	962	554	531	1085	490	481	971	1527	1491	3018

During the year the number of deaths in persons between the ages of 80 and 90 years was 42, 19 males and 23 females. The average age at death being males 84, females 83. The number of deaths between 70 and 80 was 44; 20 males and 24 females. The average age at death in both cases being 75 years. Only one death over 90 was registered, a male 94. Infant Mortality

The number of deaths in infants under one year was 73. This is much lower than usual. The average number for the District being 85. Of the 73, 53 were males and 20 females. This is a very remarkable male mortality. Infant Death-rate

The death-rate was 112 per 1,000 of births registered. This is very satisfactory, being the lowest but one (1896) recorded. The average death-rate of infants in the District is 123 per 1,000.

The following table gives the principal causes of these deaths as taken from the returns supplied to me.

Bronchitis ....	....	....	....	2
Pneumonia ....	....	....	....	9
Diarrhœa ....	....	....	....	3
Convulsions ....	....	....	....	29
Marasmus (Wasting)	....	....	....	8
Premature Birth ....	....	....	....	11
Consumption ....	....	....	....	2
Whooping Cough ....	....	....	....	4
Scarlet Fever ....	....	....	....	1
Other causes ....	....	....	....	4





Eighteen of these deaths took place in the Brigg Sub-District, twenty-three in the Barton, and thirty-two in the Winterton Sub-District. The average numbers are for Brigg Sub-District 23, Barton Sub-District 26, Winterton Sub-District 29. Neglect and improper feeding are the chief causes of these deaths. Convulsions, Wasting, and Diarrhœa, no doubt chiefly due to these causes, have accounted for forty of the deaths.

### Diseases under the Notification Act.

The total number of cases notified under the Infectious Diseases Notification Act was 277, made up as follow—

Scarlet Fever	....	....	....	183
Diphtheria	....	....	....	57
Typhoid Fever	....	....	....	24
Erysipelas ....	....	....	....	13
				<hr/>
				277

This is 94 more than last year's total. From this however must be deducted 7 cases in which persons were notified as suffering from two diseases at the same time. 78 of these cases were reported from Goxhill.

### Scarlet Fever.

Scarlet Fever always heads the list. The total of 183 cases is the largest number recorded since my appointment as Medical Officer of Health in 1895. Scarlet Fever has been prevalent in most parts of the District. The greatest number of cases were reported from Goxhill (namely 61). In Hibaldstow 30 cases occurred and in Scawby (Parish) 26.

Isolated cases of Scarlet Fever occurred at Goxhill in September, October, and November, 1902, and in January, 1903. In all these cases the measures adopted were successful in preventing the disease from spreading. On March 23rd I received notice of six cases of Scarlet Fever in one family, in a house situated about three-quarters of a mile from the village. On the morning of March 24th I visited this house and found five of the six children running about freely desquamating. The house is a farm-house separated from the road by a railing and wall. In front is a large yard and behind are the fields belonging to the farm. There

Scarlet Fever at  
Goxhill



was ample accommodation in the house. There were some seventy to eighty yards distant from their nearest neighbour. I gave strict orders as to the isolation and disinfection, and left printed instructions with the parents which they promised to carry out. I called several times afterwards to see if my orders had been obeyed. Mr. Bainton, the Inspector, also paid several visits and left disinfectants. Taking all the circumstances into consideration I did not advise removal to the Isolation Hospital. In spite of all precautions the fever broke out in a neighbouring house 35 days after the date of the notification of the above cases. This proves that even the most elaborate precautions may sometimes fail. It also illustrates the difficulty we experience in isolated country places of preventing communication between convalescent children and their neighbours before all trace of infection has disappeared. That we do succeed in the majority of such cases, is, I am pleased to say, in a great measure due to the increased interest taken in sanitary matters by the more intelligent portion of the population. I have entered somewhat fully into the particulars of this case as it was at this point we lost control of the outbreak.

The Hibaldstow cases were a continuation of the outbreak which occurred at the end of last year. An account of which was published in my last Annual Report.

Hibaldstow  
Outbreak

At Scawby the outbreak was very sudden. That the infection came from some child attending school was certain, as the fever broke out simultaneously in seven different families, in some cases widely separated, but all having children attending school, and for the most part in one class. On investigating, I found in one family three children, two were down with Scarlet Fever, and a third—reported to have had a cold a week or two before—up and well with no trace of peeling. As the child was said never to have had Scarlet Fever, and did not contract the disease although her sisters, had a long and severe illness with no attempt at isolation. In my opinion the outbreak was due to this child attending school while suffering from a mild unrecognised attack of Scarlet Fever. I advised the schools to be closed for a month and disinfected. This was done and the result was satisfactory.

Scawby  
Outbreak

There were four deaths from Scarlet Fever.

Brigg Sub-District	....	....	....	1
Barton do.	....	....	....	2
Winterton do.	....	....	....	1



## Diphtheria.

The number of cases of Diphtheria notified during the year was 57 against 9 last year.

It was prevalent in most parts of the District.

At South Ferriby the most extensive outbreak took place, South Ferriby  
Outbreak 20 cases occurred in a few days. On December 6th, I received notice of the first case. On the 9th, I visited and found several fresh cases. I advised that the schools be closed until January 4th, 1904. The date of opening to be further postponed if it should be found necessary.

A sudden outbreak of Diphtheria occurred at New Holland New Holland  
Outbreak at the end of August. The disease was imported from outside the District. At the time of the outbreak the schools were closed for the holidays. The number of cases was nine. Of these two ended fatally.

Nine cases were reported from Ashby. They occurred at Ashby different dates, and in different parts of the village. In the majority, the infection was proved to have originated from contact with persons residing outside the District who were suffering from Diphtheria.

Eight cases were reported from Goxhill. Seven of these Goxhill were in persons notified a few days previously as suffering from Scarlet Fever.

There were five deaths from this disease. Two in the Brigg Sub-District, two in the Barton Sub-District, and one in the Winterton Sub-District.

## Typhoid Fever.

Twenty-four cases of Typhoid Fever were notified from the Goxhill whole District.

Of these, nine cases were notified from Goxhill. Knowing that Goxhill had always been one of the healthiest of our villages, I took the trouble to look up its past record with regard to Typhoid Fever, with the following result.

From October 1st, 1891, the date on which the Notification Act was in the District, to December 30th, 1900, the number of cases of Typhoid notified from Goxhill was 2.



Dec. 30th, 1900	....	....	....	2
1901	....	....	....	8
1902	....	....	....	2
1903	....	....	....	9

All these cases were isolated ones. In so single instance was infection carried from one house to another. This increase in the number of Typhoid cases would lead one to suspect that the authorities had neglected this portion of the District. The following table will show this to be incorrect.

Sewers laid down at Goxhill—

1894	....	400 yards of 9 in. Sanitary Pipes
1895	....	40 do 6 do
1896	....	180 do 12 do
1896	....	56 do 9 do
1896	....	266 do 6 do
1897	....	240 do 9 do
1898	....	400 do 9 do
1899	....	150 do 6 do
1901	....	80 do 9 do
1902	....	100 do 9 do
1903	....	70 do 9 do
1903	....	100 do 6 do

I also find an entry that in October, 1898, the Council paid £3 3s for the analysis of a sample of water from a suspected well at Goxhill, where a case of Typhoid had occurred.

Six cases of Typhoid were reported at East Butterwick. All Butterwick were boys. All attended school. The closets at the schools were found to empty into open pits which were only cleaned out at long intervals. They had been emptied just before this outbreak and no disinfectant had been used. I advised the schools to be closed until the necessary alterations and improvements recommended were completed. The pits were levelled up and boxes introduced in their place.

There was no death from Typhoid in the District.

Deaths

### Measles.

The District has been singularly free from Measles. At Wootton, (in October), the schools had to be closed owing to an outbreak. This was the only serious outbreak in the District







during the year. There was one death returned, Measles being the primary, but Pneumonia the actual cause.

### **Whooping Cough.**

There was no extensive outbreak of Whooping Cough. Although five deaths were recorded from this disease, four of the deaths were in infants under one year, and the fifth was just over one year. Whooping Cough is the most fatal of all infectious diseases to children under two years of age.

### **Erysipelas.**

Thirteen cases of Erysipelas were notified with no death.

### **Influenza.**

Influenza was not prevalent in an epidemic form during the year.

### **Phthisis.**

The mortality from Phthisis as usual, was very high 33, deaths being recorded, 14 males and 19 females. The average age at death of both sexes was  $29\frac{1}{2}$ , and of the females 18 years. Eleven deaths took place in each of the Sub-Districts.

### **Accidental Deaths.**

There were seven deaths due to accident, 5 females and 2 males. The cause in each case was as follows--

Female, 6 months, suffocated in bed,

do 3 years, burn,

do 44 years, drowned,

do 77 years, shot,

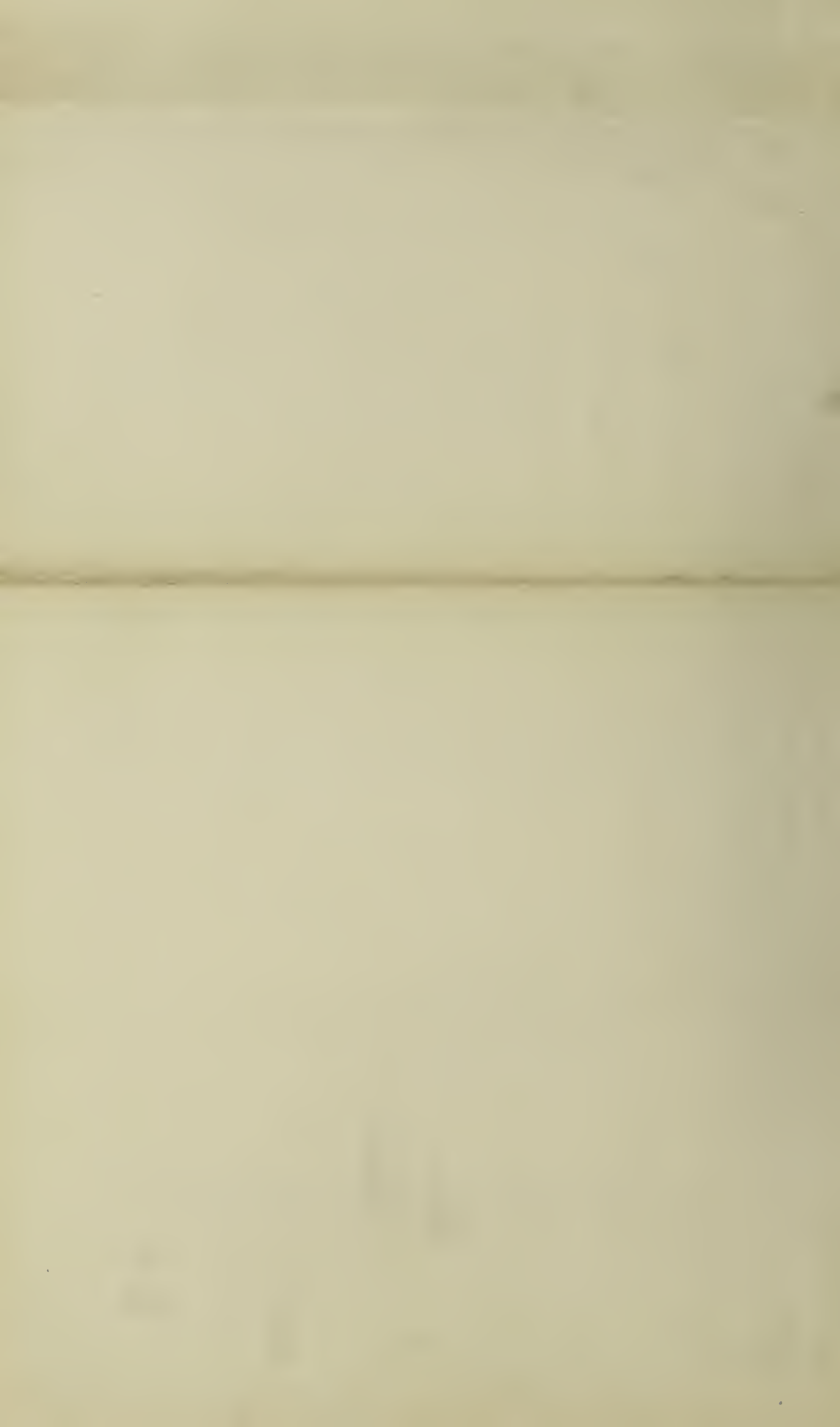
do 83 years, burn,

Male, 13 years, drowned,

do 78 years, a fall.

### **Cancer.**

There were 12 deaths from Cancer, two in the Brigg, six in the Barton, and four in the Winterton Sub-District.



### Pneumonia and Bronchitis.

There were 17 deaths from Pneumonia, and 15 from Bronchitis.

### The Health of the District.

In spite of the fact that the death rate was one of the lowest recorded, the year has not been a healthy one. The continued rain and absence of sunshine, must, to a great extent, have contributed to this. During wet weather people congregate together, windows are kept shut, foul air accumulates, and heat and moisture favour the growth and propagation of disease germs. Diphtheria is especially liable to develop under such circumstances, and we find that whereas last year we had a total of nine cases, this year the total was fifty-seven. Scarlet Fever would also increase under such conditions, and we find 183 cases against 146 last year. Typhoid also shows an increase, 24 against 10 last year. This should not be the case as a wet year is not usually a Typhoid year. I am pleased to be able to record a substantial reduction in the number of deaths in children under one year, 73 against 83 last year, the average for the District being 85. The number of male children among these deaths is very extraordinary, 53 out of 73 being males. In my report of the year 1896, and in several subsequent reports, I have stated that if the Board of Education could only see its way to introduce into the schools instruction in elementary hygiene, and for the senior girls instruction in the care and feeding of infants, a large number of these lives could be saved. I am pleased to see this matter is now being taken up by some of the leading members of the medical profession. I hope it may lead to something being done.

Alone or in company with Mr. Bainton the Inspector, I visited and inspected a large portion of the District.

### Sanitary Improvements, Public Sewers, &c.

With regard to the scheme of sewage disposal at Ashby <sup>Ashby</sup> referred to in my last report, a contract has been signed for laying down 1,200 yards of 12 inch sanitary pipes as the first portion of the work.

During the year new public sewers have been laid down in the following villages.



Winteringham	....	150	yards of 9 in. sanitary pipes,
Winteringham	....	100	do 6 do
Yaddletorpe	....	27	do 6 do
Alkborough	....	400	do 9 do
Hibaldstow	....	250	do 9 do
Goxhill	... ..	70	do 9 do
Goxhill	.... ..	100	do 6 do
Wootton	.... ..	450	do 9 do

In addition to the above, fifteen public sewers were in whole or part taken up and relaid.

The following summary of the work done during the year, is taken from the reports of Mr. John Bainton, Inspector of Nuisances.

Public Sewers Improved	....	....	....	15
House Drains Improved	...	....	....	37
Private Water Supply Improved		....	....	14
Piggeries Improved or Removed		....	....	14
Privies and Ashpits Improved or Removed			....	15
Canal Boats Inspected	....	....	....	5
Overcrowding dealt with	....	....	....	7
Other Nuisances	....	....	....	19
Plans allowed	....	....	....	65
Infringement of Byelaws	....	....	....	3
Water Certificates Granted	....	..	..	27
Clerk's Orders and Letters Sent		....	....	68
Prosecution for Exposure While Suffering from a Dangerous Infectious Disease			....	1
Cowkeepers Registered	....	....	....	7
General Inspections	....	....	....	22
Hospital Visits	..	....	....	6
Licence to Store Petroleum, &c.		....	....	6
Plans of New Streets	....	....	....	4
Slaughter Houses improved	....	....	....	2

The table of rainfall as on all former occasions has kindly been given to me by Mr. Alfred Atkinson, c.E., of Brigg.

I am, Gentlemen,

Your obedient servant,

GODFREY GOODMAN,

*Medical Officer of Health to the Rural  
District Council.*



Table of Deaths from Zymotic Diseases.

Year.	Small Pox.	Measles.	Scarlet Fever.	Diphtheria.	Croup.	Whooping Cough.	Fever, Typhoid, &c.	Diarrhoea, Dysentery, &c.	Cholera.	Erysipelas.	Total Deaths from Zymotic Diseases.	Annual Rate of Mortality from Zymotic Diseases.
1876	..	9	18	3	1	7	8	10	..	..	56	1.08
1877	..	1	6	4	2	4	12	13	..	..	42	1.46
1878	..	..	6	2	3	7	7	24	..	..	49	2.00
1879	..	1	8	6	4	10	2	10	..	..	41	1.04
1880	..	29	6	1	1	10	8	30	..	1	87	3.00
1881	..	..	39	4	4	2	5	13	..	..	67	2.03
1882	..	..	34	6	1	2	6	15	..	1	65	2.25
1883	..	1	23	2	1	12	21	16	..	5	81	2.08
1884	..	8	9	51	14	2	3	26	..	3	117	3.93
1885	..	1	..	21	4	7	1	4	..	1	39	1.34
1886	..	1	3	15	2	11	8	23	..	..	63	1.42
1887	..	2	3	3	..	2	7	10	..	..	27	.88
1888	..	..	6	1	..	9	5	8	..	..	23	.74
1889	..	10	23	..	1	16	5	11	..	1	67	2.01
1890	..	2	7	7	6	7	1	14	..	..	44	1.34
*1891	..	1	..	3	3	1	2	7	..	..	17	.65
1892	..	1	1	3	1	4	1	7	..	3	21	.71
1893	2	17	5	..	..	8	6	24	..	..	63	2.04
1894	..	..	6	1	4	8	..	2	..	..	23	.95
1895	..	2	8	2	1	8	1	17	..	..	39	1.65
1896	..	6	2	2	2	..	1	11	..	..	24	1.00
1897	..	1	4	4	3	3	3	7	..	..	25	1.05
1898	..	3	2	..	..	5	3	16	..	1	29	1.25
1899	..	3	4	3	..	1	..	7	..	..	18	0.70
1900	2	5	5	6	..	6	1	9	..	..	34	1.50
1901	..	9	5	3	..	..	5	8	..	..	30	1.30
1902	..	3	3	3	..	3	1	4	..	2	19	0.75
1903	..	1	3	5	..	5	..	6	..	..	20	0.80

\*Notification Act adopted October, 1891.





Table I.—For Whole District.

Year.	Population estimated to middle of each year.	Births.		Deaths under 1 year of age.		Deaths at all ages. Total.	
		Number.	Rate. *	Number.	Rate per 1,000 Births Registered.	Number.	Rate *
1892	...	...	..	...	...	...	...
1893	...	...	...	...	...	...	...
1894	...	...	..	...	..	...	...
1895	23821	761	31·4	95	125	350	14·7
1896	23821	687	28·9	64	93	315	13·3
1897	23821	642	26·9	83	127	333	14·6
1898	23821	706	29·6	101	142	392	16·4
1899	23822	662	27·7	93	140	299	12·5
1900	23822	617	25·9	79	128	383	16·0
1901	23823	639	26·6	72	113	307	12·9
1902	23823	682	28·6	83	122	331	13·9
Averages for years 1893-1902	23822	674	28·1	85	123	342	14·3
1903	23822	644	27·0	73	112	303	12·7

\*Rates calculated per 1,000 of estimated population.

Area of District in acres (exclusive of area covered by water) 124,157

Total population at all ages 23823	}	At Census of 1901
Number of inhabited houses 5548		
Average number of persons per house 4·3		



Names of Localities	The whole District				Brigg Sub-District				Barton Sub-District				Winterton Sub-District			
	Population estimated to middle of each year	Births registered	Deaths at all ages	Deaths under one year	Population estimated to middle of each year	Births registered	Deaths at all ages	Deaths under one year	Population estimated to middle of each year	Births registered	Deaths at all ages	Deaths under one year	Population estimated to middle of each year	Births registered	Deaths at all ages	Deaths under one year
1892	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1893	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1894	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1895	23821	761	350	95	...	...	...	...	...	...	...	...	...	...	...	...
1896	23821	687	315	64	...	...	...	...	...	...	...	...	...	...	...	...
1897	23821	642	333	83	...	...	...	...	...	...	...	...	...	...	...	...
1898	23821	706	392	101	...	...	...	...	...	...	...	...	...	...	...	...
1899	23822	662	299	93	...	...	...	...	...	...	...	...	...	...	...	...
1900	23822	617	383	79	7728	191	127	21	8568	213	131	20	7524	213	125	38
1901	23823	639	307	72	7728	194	96	26	8571	222	111	27	7524	223	100	19
1902	23823	682	331	83	7728	239	101	22	8571	226	122	30	7524	217	108	31
Averages for years 1893-1902	23822	674	342	85	7728	208	108	23	8571	220	121	26	7524	218	111	29
1903	23823	644	303	73	7728	186	88	18	8571	208	119	23	7524	250	96	32

Deaths occurring outside the division or district among persons belonging thereto } Not ascertained. Have no means of  
Deaths occurring within the district among persons not belonging thereto ... } obtaining accurate returns.

There is no Public Institution in the District. The Union Workhouse is in the Urban District of Brigg.

Table II.



Table III.—Cases of Infectious Disease notified during the year 1903.

Notifiable Disease.	Cases notified in whole district.						Total cases notified in each locality.			No. of cases removed to hospital from each locality.	
	At all ages.	Under 1	1 to 5	5 to 15	15 to 25	25 to 65	65 and upwards	Brigg Sub-District	Barton Sub-District		Winterton Sub-District
Small-pox	...	...	...	...	...	...	...	...	...	...	None
Cholera	...	...	...	...	...	...	...	...	...	...	
Diphtheria	57	...	19	28	6	4	...	39	3	15	
Membranous croup	...	...	...	...	...	...	...	...	...	...	
Erysipelas	13	1	...	1	11	...	...	7	4	2	
Scarlet fever	183	2	48	102	20	11	...	77	86	20	
Typhus fever	...	...	...	...	...	...	...	...	...	...	
Enteric fever	24	...	2	15	2	5	...	5	10	9	
Relapsing fever	...	...	...	...	...	...	...	...	...	...	
Continued fever	...	...	...	...	...	...	...	...	...	...	
Puerperal fever	...	...	...	...	...	...	...	...	...	...	
Plague	...	...	...	...	...	...	...	...	...	...	
Totals	277	3	69	146	39	20	...	128	103	46	

Isolation Hospital near Goxhill.



Table IV.—Causes of, and ages at death during year 1903.

Causes of Deaths.	Deaths in whole district at subjoined ages.							Deaths in localities (at all ages).			Deaths in public institutions.
	At all ages	Under 1	1 and under 5	5 and under 15	15 and under 25	25 and under 65	65 and upwards	Brigg Sub-District	Barton Sub-District	Winterton Sub-District	
Small-pox ...	...	...	...	...	..	..	...	...	...	...	No public institution in the district. The Brigg Workhouse is in the Urban District
Measles ...	1	...	1	...	..	...	...	...	1	...	
Scarlet fever ...	3	1	...	1	...	1	...	1	2	...	
Whooping cough ...	5	4	1	...	...	..	...	1	...	4	
Diphtheria and membranous croup ...	5	...	2	2	1	...	..	1	2	2	
Croup ...	...	...	...	...	...	...	...	...	...	...	
Fever { Typhus ...	...	...	...	...	...	...	...	...	...	...	
{ Enteric ...	...	...	...	...	...	...	...	...	...	...	
{ Other continued ...	...	...	...	...	...	...	...	...	...	...	
Epidemic Influenza ...	7	...	...	...	...	4	3	1	2	4	
Cholera ...	...	...	...	...	...	...	..	...	...	..	
Plague ...	...	...	...	...	...	...	...	...	..	...	
Diarrhœa ...	6	3	1	1	...	...	1	1	2	3	
Enteritis ...	...	...	...	...	...	...	..	...	...	...	
Puerperal fever ...	...	...	...	...	...	...	...	...	...	...	
Erysipelas ...	...	...	...	...	...	...	...	...	...	...	
Other septic diseases ...	...	...	...	...	...	...	...	...	...	...	
Phthisis ...	33	2	4	3	11	13	..	11	11	11	
Other tubercular disease ...	..	...	...	...	...	..	...	...	...	...	
Cancer, malignant disease ...	12	...	..	...	...	3	9	2	6	4	
Bronchitis ...	15	2	1	..	...	3	9	5	5	5	
Pneumonia ...	17	9	4	...	...	1	3	2	3	12	
Pleurisy ...	1	...	...	...	...	1	...	1	...	...	
Other diseases of respiratory organs ...	2	1	1	...	...	...	...	2	...	...	
Alcoholism ...	...	..	...	...	...	...	..	...	...	...	
Cirrhosis of liver ...	...	..	...	...	...	...	..	...	...	...	
Venereal diseases ...	1	1	...	...	..	...	...	...	1	...	
Premature birth ...	11	11	...	...	..	..	...	3	4	4	
Diseases and accidents of parturition ...	4	...	...	...	2	2	...	1	3	...	
Heart diseases ...	24	...	...	...	1	7	16	13	6	5	
Accidents ...	7	1	1	1	1	...	3	...	...	...	
Suicides ...	4	...	...	...	...	4	...	1	3	...	
Convulsions ...	30	26	4	...	...	...	...	9	11	10	
Marasmus ...	9	8	1	...	...	...	...	2	3	4	
All other causes ...	106	4	...	1	5	23	73	30	51	25	
All causes ...	303	73	21	9	21	62	117	88	119	96	





RAINFALL AT BRIGG.  
1903.

Month.	Inches, Brigg.
January ... ..	1·83
February ... ..	0·99
March ... ..	2·59
April ... ..	1·57
May ... ..	2·63
June ... ..	1·46
July ... ..	2·57
August... ..	4·31
September... ..	3·79
October ... ..	5·75
November ... ..	1·66
December ... ..	1·13
Total ... ..	30·28

ALFRED ATKINSON, C.E.

BRIGG, JANUARY, 1904.

